

# Short status report on investigation on channel switcher

03/14/2019

# About the channel switcher

- Status of investigation for channel switcher
  - Install “Raspberian” ( OS: based on Debian ) on Raspberry Pi
    - > Download Raspberian (“noobs” v3.0.0)
    - > microSD ( format with Fat32 and then copy the entire directory)
    - > install on Raspberry Pi
    - > OS settings
  - Test the GPIO pins using a kit
    - Using python code to send digital output on GPIO pins



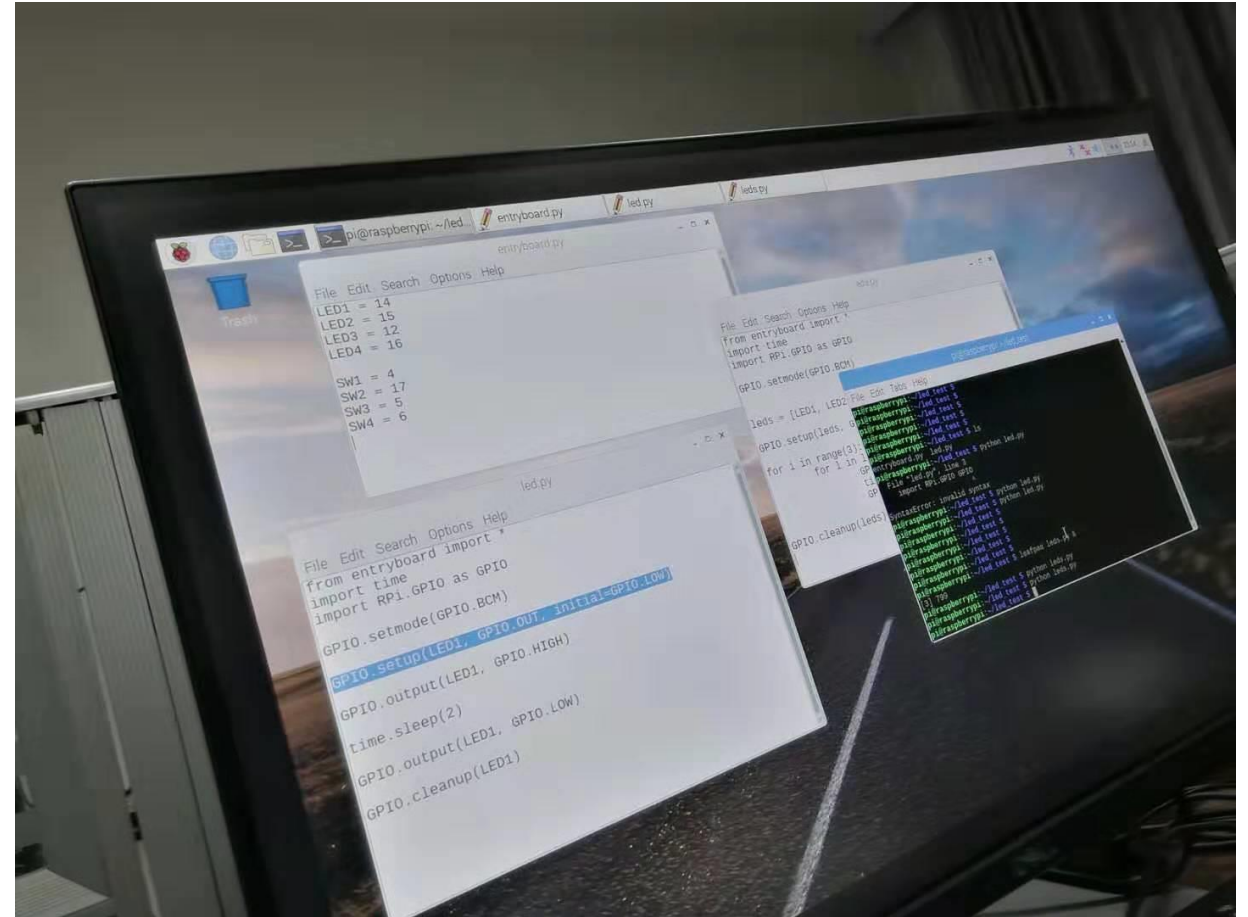
-- Then, connect GPIO pins to the address pin on the MUX evaluation board



Just connect Raspberry PI to the evaluation board increases the current fluctuation at level of 0.1~1 nA level



However, connection was not good enough and need to check further before conclusion



Raspberian Desktop

# Comment

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After TDR,,, we could assign persons on items , but progress could be a bit slower than past few months. (The possible future large scale testing should be organized apart from this)

Items left during recent works are, such as

- Further characterization ? ( i.e. setup of Keithley 6487, 2x2 arrays ... )
- test/setup with the new probe station -> temperature dependence
- X-ray irradiation ?
- TCT
- investigation of the channel switcher